

## INTERNATIONAL SEARCH REPORT

PCT/US2004/040116

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/506 A61P15/00 A61P15/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MEDELSON S D ET AL: "Effects of 5-HT(1A) selective anxiolytics on lordosis behavior: Interactions with progesterone" EUROPEAN JOURNAL OF PHARMACOLOGY 1986 NETHERLANDS, vol. 132, no. 2-3, 1986, pages 323-326, XP008046859 the whole document	1-5
X	GORZALKA B B ET AL: "SEROTONIN RECEPTOR SUBTYPES AND SEXUAL BEHAVIOR" ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, NEW YORK ACADEMY OF SCIENCES, NEW YORK, NY, US, vol. 600, 1990, pages 435-446, XP000673435 ISSN: 0077-8923 page 435, paragraphs 1,2 page 438, paragraph 5	1-5

-/--



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

31/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

A. Jakobs

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/040116

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	REHMAN J ET AL: "MODIFICATION OF SEXUAL BEHAVIOR OF LONG-EVANS MALE RATS BY DRUGS ACTING ON THE 5-HT 1A RECEPTOR" BRAIN RESEARCH, AMSTERDAM, NL, vol. 821, 1999, pages 414-425, XP000922528 ISSN: 0006-8993 abstract	1
X	CHOI N G ET AL: "MODIFICATION OF SEXUAL BEHAVIOR OF MALE RATS BY DRUGS ACTING ON SEROTONIN RECEPTORS" JOURNAL OF UROLOGY, BALTIMORE, MD, US, vol. 139, 1988, page 253A, XP000981886 ISSN: 0022-5347 abstract	1
X	WO 02/41883 A (VIVUS, INC) 30 May 2002 (2002-05-30) abstract page 1, lines 10-15; claims 1,30,31,40,47,48	1
X,P	WO 2004/045509 A (PHARMACIA CORPORATION; STEPHENSON, DIANE, T; TAYLOR, DUNCAN, P) 3 June 2004 (2004-06-03) paragraph '0004! page 124; table 3 page 127; table 4 paragraph '0176! paragraph '0214!; claims 10,11,18,19,22	1
E	WO 2005/007166 A (PFIZER LIMITED; NAYLOR, ALASDAIR, MARK; VAN DER GRAAF, PIETER, HADEWIJ) 27 January 2005 (2005-01-27) abstract page 1, line 5 - page 2, line 28 page 13, lines 25-31; claim 9	1-5
A	MURPHY D L: "NEUROPSYCHIATRIC DISORDERS AND THE MULTIPLE HUMAN BRAIN SEROTONIN RECEPTOR SUBTYPES AND SUBSYSTEMS" NEUROPSYCHOPHARMACOLOGY, ELSEVIER SCIENCE PUBLISHING, NEW YORK, NY, US, vol. 3, no. 5/6, 1 October 1990 (1990-10-01), pages 457-471, XP000673456 ISSN: 0893-133X abstract page 461, column 2, paragraphs 2,3	1-5

-/--

BEST AVAILABLE COPY

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ENNIS M D: "THE SEARCH FOR 5-HT1A ANTAGONISTS" CURRENT OPINION IN THERAPEUTIC PATENTS, vol. 3, no. 9, 1993, pages 1325-1333, XP008030782 ISSN: 0962-2594 the whole document	1

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/040116

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 1-5 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0241883	A	30-05-2002	US 6495154 B1	17-12-2002
			AU 2864302 A	03-06-2002
			CA 2429516 A1	30-05-2002
			EP 1389115 A2	18-02-2004
			JP 2004536024 T	02-12-2004
			WO 0241883 A2	30-05-2002
			US 2002161016 A1	31-10-2002
WO 2004045509	A	03-06-2004	AU 2003295431 A1	15-06-2004
			WO 2004045509 A2	03-06-2004
			US 2004147581 A1	29-07-2004
WO 2005007166	A	27-01-2005	WO 2005007166 A1	27-01-2005
			US 2005065158 A1	24-03-2005